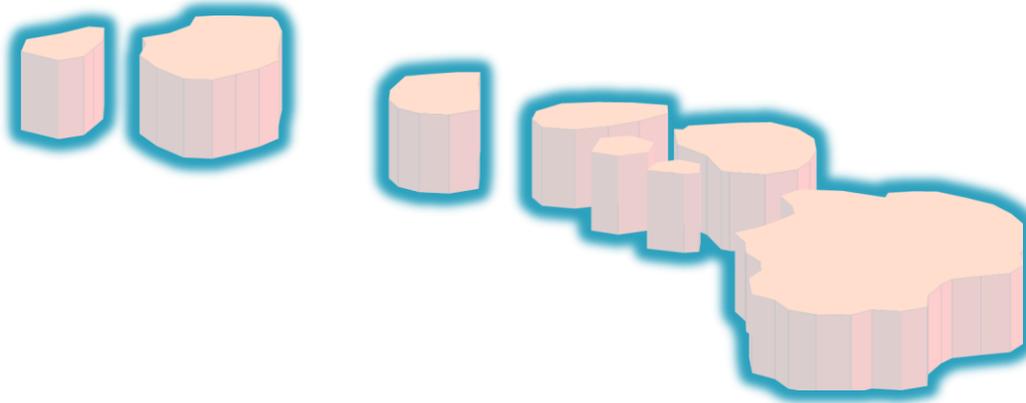




State of Hawai'i  
**IMT**

# State of Hawai'i Open Data Initiative



Wetware Wednesday  
July 26, 2012  
6:30 pm

# Future World...In the Clouds?



*"It was much nicer before people started storing  
all their personal information in the cloud."*

Source: New Yorker Magazine

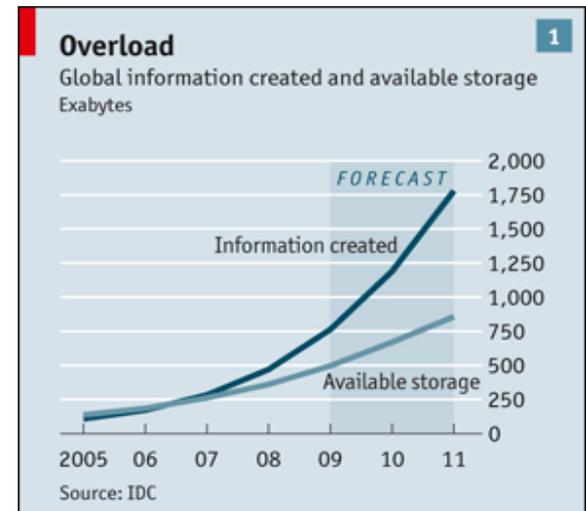
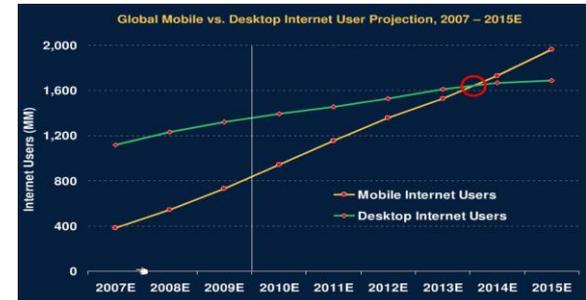
# Change is Coming (Like it or Not...)



## 6 bold tech predictions: Fact or fantasy? FCW (December 8, 2010)

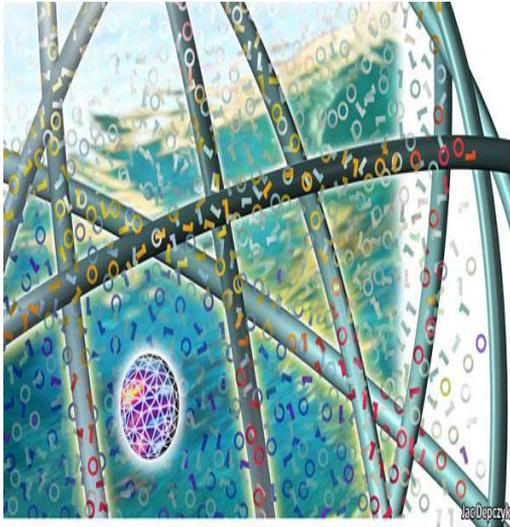
1. 20% of businesses will own no IT assets by 2012 (Gartner)
2. 75% of Stand-Alone IT Departments will disappear by 2015 (Corporate Executive Board)
3. One trillion devices will be connected to the Internet by 2013 (Cisco) – Current = 35B
4. The government can save \$1 trillion in 10 years by harnessing certain proven technologies (Technology CEO Council)
5. 25% of personal computing devices sold will be tablets by 2015 (Forrester Research)
6. Data will grow by 800% in the next five years with 80% Unstructured Text/Media (Gartner)

*Mobile will be bigger than desktop internet in 5 years*  
-- Mary Meeker, Morgan Stanley, April 2010



Volume of digital information increases tenfold every five years & the data is replicated many times over!

# Context: Maximum sharing and flow of information and knowledge



- YouTube is now **second largest search engine** in the world
- 1.5 million pieces of content shared **daily** on Facebook
- On-line newspaper readers are **up 30%**
- 250 million visitors **each month** to Myspace, YouTube, and Facebook (*none were around 6 years ago*)
- **Mobile devices** will be world's primary connection tool to the Internet in **2020**

**As big an issue *outside* your organization as *within* it**

# New Updates from Gartner – Access to Anything, Anywhere, Any Time

- 1) **30 billion** pieces of content were added to Facebook this past month.
- 2) Worldwide IP Traffic will **quadruple** by 2015.
- 3) Over **107 trillion** emails were sent this year (89% of which were spam).
- 4) **Today's employees can access** 
  - ▶ Over 1 Billion Web pages (and growing)
  - ▶ 350,000 iPhone and Over 100,000 Android Apps
  - ▶ 10,500 Radio Stations, 5,500 magazines, 300+ TV Networks

Source: Top 10 Trends and How They Will Impact Data Centers and IT, David Cappuccio, Vice President, Chief of Research

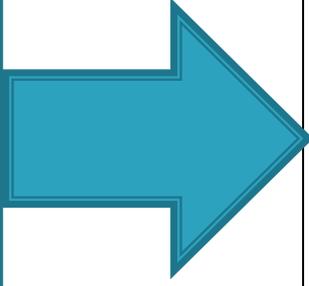
# It's not just about Technology....



Source: “Real Value from the Cloud: Moving beyond personal productivity”, Center for Digital Government, 2012

# The Study Found: Top 10 Areas of Opportunity

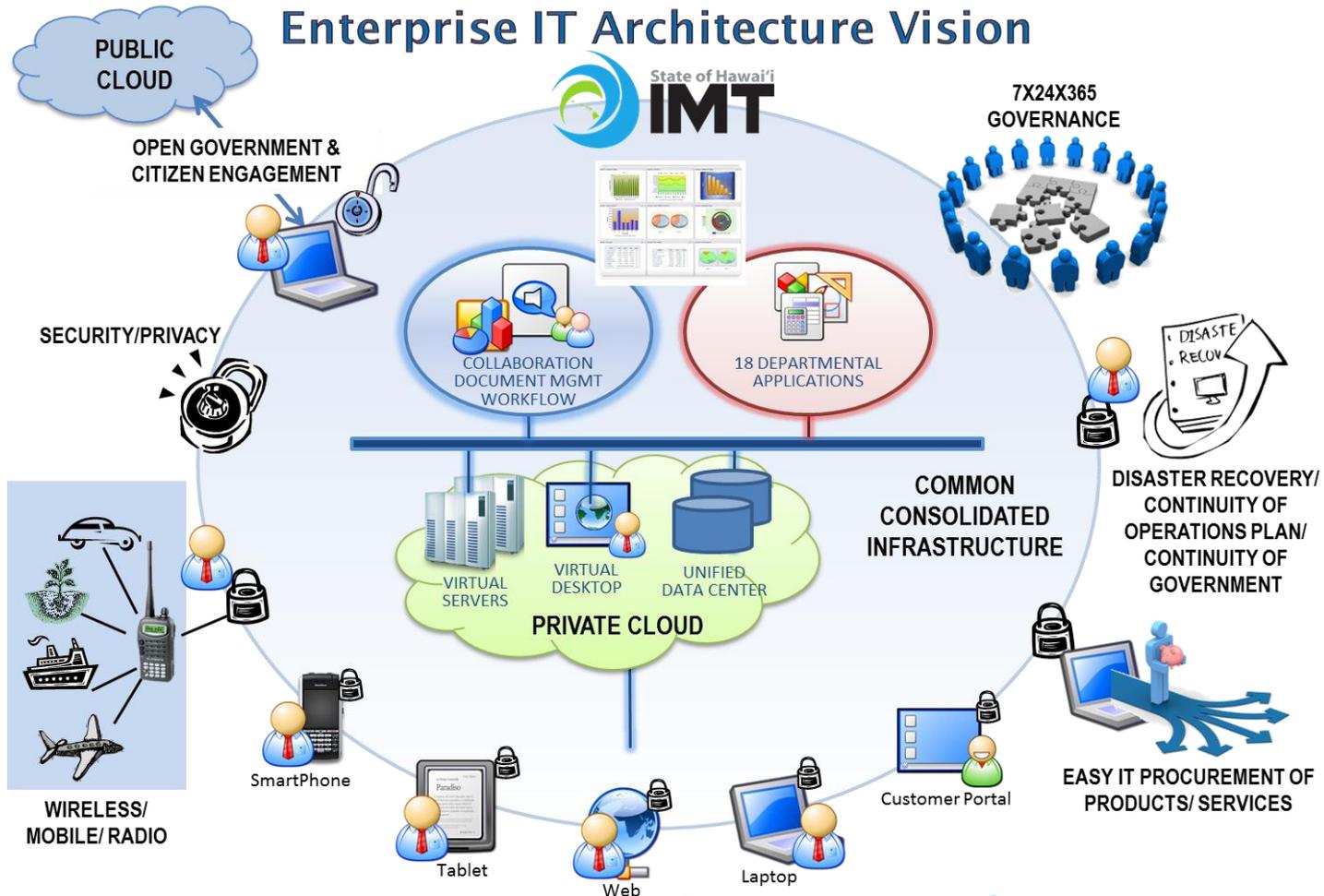
1. Governance
2. Disaster Recovery (DR) and Continuity of Operations (COOP)
3. IT Procurement
4. Security and Privacy
5. Open Government and Social Media
6. Collaboration and Work Flow
7. Enterprise Applications
8. Enterprise Infrastructure
9. Wireless / Mobile / Radio
10. Business Process Re-Engineering



*We need to focus on these  
Top 10 opportunities...*

# Vision

## Preliminary Future Enterprise IT Architecture Vision



*Access to the right information –  
anywhere, any time, any mission,  
securely and reliably*

# Open Government

## Hawaii State Government

Uniform Information Practices Act HRS 92F

“General Rule of Disclosure

All government records are open to public unless access is restricted or closed by law”

## Federal Government

Attorney General Guidelines

Share everything.  
Protect what you must.

## Open Government Directive

Privacy Act



Protect National Security

Espionage Act of 1917

Information Quality Act



# The Open Government Initiative



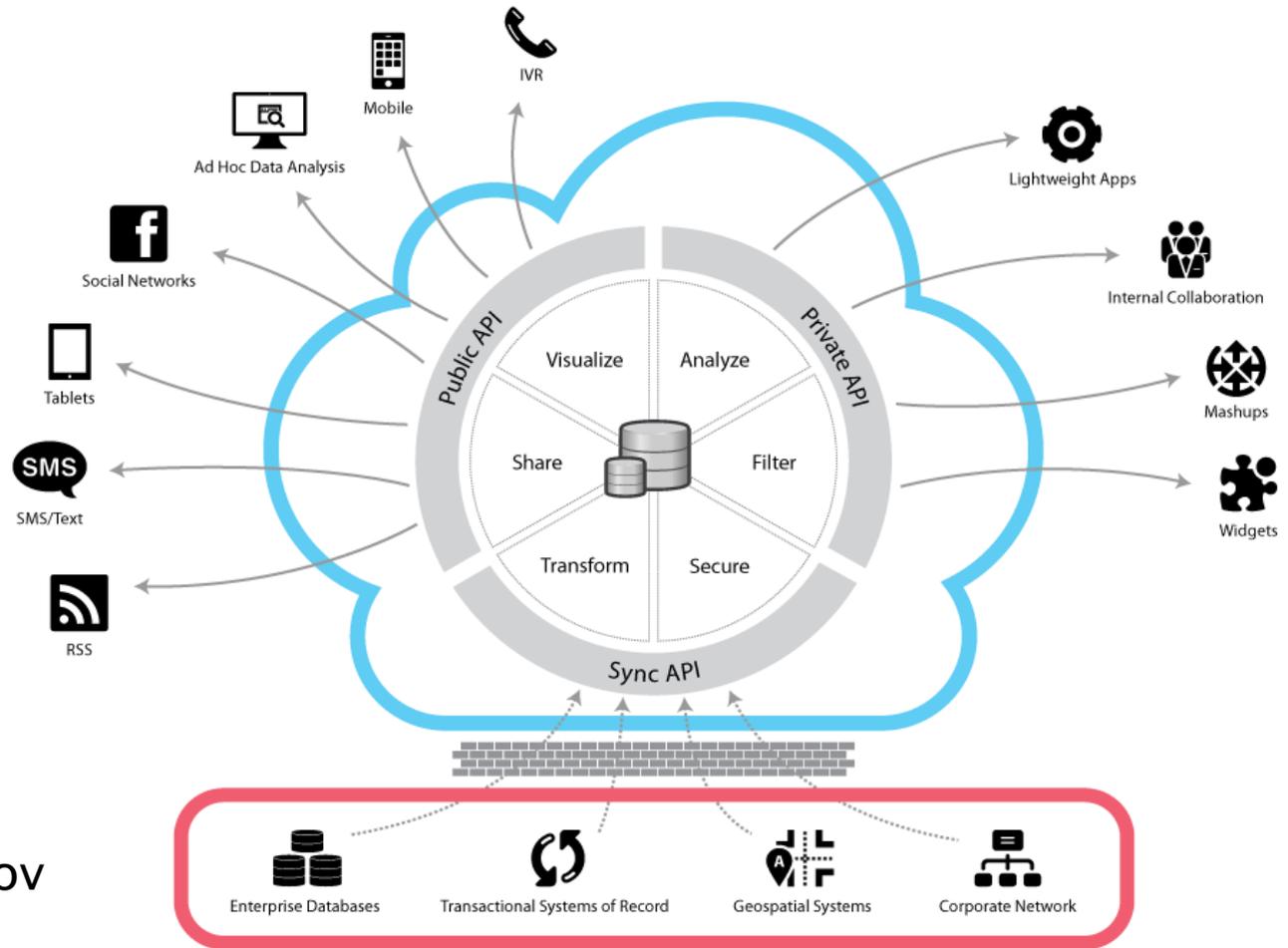
**Transparency** promotes accountability

**Participation** allows people to contribute ideas/expertise; government benefits from broad knowledge sharing

**Collaboration** encourages cooperation within government and with industry



# Next Generation Data.gov: A Platform Designed for Data Access & Consumption



<http://www.data.gov>

 Socrata | The Open Data Company™

 **DATA.GOV**  
EMPOWERING PEOPLE



data.Hawaii.gov

HOME

VIDEOS

FAQ

HELP



### Sample Data Sets

- Campaign Contributions
- Farmers Markets
- Hawaii Public Schools
- Hawaii eGov Apps
- Libraries
- AAA Fuel Prices
- EV Charging Stations
- Hurricane Shelters
- Ethics Lobbyists
- Oil prices
- Bills Passed 2012
- KWh Utility Supply
- Ag Seals of Quality
- Electricity Prices
- General Election results
- Libraries Collection Statistics
- DBEDT Data Book – 800 Data Sets
- CIP Dashboard
- Etc.....

## Welcome to data.Hawaii.gov

Leading public sector innovators are leveraging cloud, platform and social technologies to deliver better citizen access to information, modernize online service delivery and improve internal efficiencies. We call the transformation of your data assets into productive information resources that people can easily access, share and reuse, Open Data. By sharing our data via data.hawaii.gov in an open and transparent means we empower our citizens, ourselves and our customers to access information anywhere, anytime. Data.hawaii.gov provides a platform to promote our data to a common statewide location that is accessible to everyone.



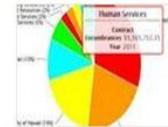
### Hawaii eGov Apps

All Hawaii Portal Applications



### Map of State Libraries

Listing of the Public Libraries in the State of Hawaii



### Encumbrance Pie Chart

Encumbrances, month and year separated

Search

#### View Types

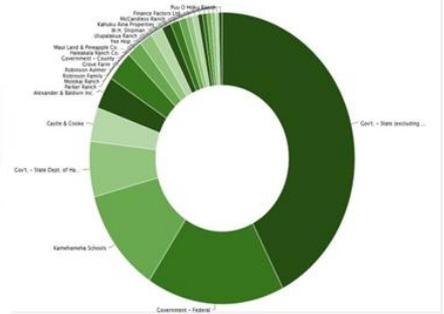
- Datasets
- External Datasets
- Files and Documents
- Filtered Views
- Charts
- Maps
- Calendars
- Forms

#### Categories

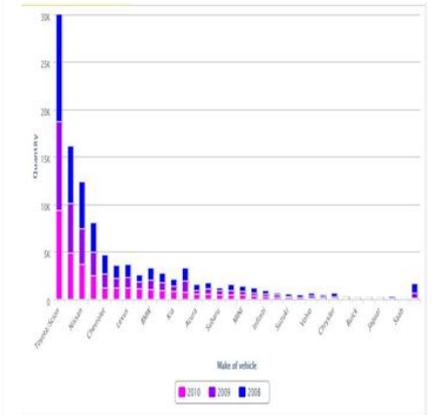
### Search & Browse Datasets and Views

Most Relevant

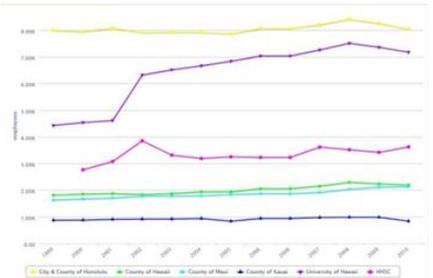
Name	Popularity	Type
1. CIP Dashboard Data department	107 views	Government
2. CIP Dashboard Data-2 Month and Year Separate	36 views	Government
3. Contributions Received by Hawaii State and Local Candidates Through December 31, 2011	55 views	Government
4. HAWAII'S FARMER'S MARKET market local fruits vegetables	54 views	Economic Development



## Major Land owners



## Cars by make



## Collective Bargaining

# Data.Hawaii.gov



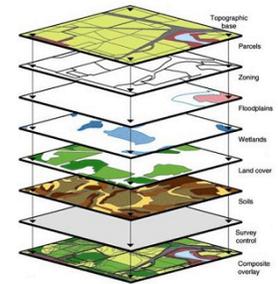
Visualize



Socialize



Mobilize



Analyze



INNOVATION  
SUCCESS  
EVALUATION  
DEVELOPMENT  
GROWTH  
SOLUTION  
PROGRESS  
MARKETING

# Mahalo!

<http://www.hawaii.gov/oimt>